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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/045,631A

DATE: 07/15/2002  
 TIME: 12:05:51

Input Set : A:\20552410.app  
 Output Set: N:\CRF3\07152002\J045631A.raw

3 <110> APPLICANT: Beraud, Christophe  
 4 Ohashi, Cara  
 5 Sakowicz, Roman  
 6 Vaisberg, Eugeni  
 7 Wood, Ken  
 8 Yu, Ming  
 9 Cytokinetics, Inc.  
 11 <120> TITLE OF INVENTION: HUMAN KINESINS AND METHODS OF PRODUCING AND PURIFYING  
 12 HUMAN KINESINS  
 14 <130> FILE REFERENCE: 020552-000410US  
 16 <140> CURRENT APPLICATION NUMBER: 10/045,631A  
 17 <141> CURRENT FILING DATE: 2001-10-19  
 19 <150> PRIOR APPLICATION NUMBER: WO PCT/US00/10870  
 20 <151> PRIOR FILING DATE: 2000-04-20  
 22 <150> PRIOR APPLICATION NUMBER: US 09/295,612  
 23 <151> PRIOR FILING DATE: 1999-04-20  
 25 <160> NUMBER OF SEQ ID NOS: 87  
 27 <170> SOFTWARE: PatentIn Ver. 2.1  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 29  
 31 <212> TYPE: DNA  
 32 <213> ORGANISM: Artificial Sequence  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: Description of Artificial Sequence: 3' Primer for  
 36 amplification of Chromokinesin (residues 1-193)  
 38 <400> SEQUENCE: 1  
 39 ccaaacagga aacagtatcc aaggcaacc 29  
 42 <210> SEQ ID NO: 2  
 43 <211> LENGTH: 20  
 44 <212> TYPE: DNA  
 45 <213> ORGANISM: Artificial Sequence  
 47 <220> FEATURE:  
 48 <223> OTHER INFORMATION: Description of Artificial Sequence: Chromokinesin  
 49 5' Primer(spanning nucleotides 76-1178)  
 51 <400> SEQUENCE: 2  
 52 tgcccatctc gtgagaaagc 20  
 55 <210> SEQ ID NO: 3  
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 58 <213> ORGANISM: Artificial Sequence  
 60 <220> FEATURE:  
 61 <223> OTHER INFORMATION: Description of Artificial Sequence: Chromokinesin  
 62 3' Primer (spanning 76-1178)

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65 gcttgacgga gagcatgctg 20  
68 <210> SEQ ID NO: 4  
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71 <213> ORGANISM: Artificial Sequence  
73 <220> FEATURE:  
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Chromokinesin  
75 5' Primer (spanning 1032-3326)  
77 <400> SEQUENCE: 4  
78 attgattacc cagttatcg 20  
81 <210> SEQ ID NO: 5  
82 <211> LENGTH: 20  
83 <212> TYPE: DNA  
84 <213> ORGANISM: Artificial Sequence  
86 <220> FEATURE:  
87 <223> OTHER INFORMATION: Description of Artificial Sequence: Chromokinesin  
88 3' Primer (spanning 1032-3326)  
90 <400> SEQUENCE: 5  
91 ttagtactcc aacttcagtg 20  
94 <210> SEQ ID NO: 6  
95 <211> LENGTH: 25  
96 <212> TYPE: DNA  
97 <213> ORGANISM: Artificial Sequence  
99 <220> FEATURE:  
100 <223> OTHER INFORMATION: Description of Artificial Sequence: Kin-2 5'  
101 Primer (spanning 2-2088)  
103 <400> SEQUENCE: 6  
104 gccgaataca tcaagcaatg gtaac 25  
107 <210> SEQ ID NO: 7  
108 <211> LENGTH: 25  
109 <212> TYPE: DNA  
110 <213> ORGANISM: Artificial Sequence  
112 <220> FEATURE:  
113 <223> OTHER INFORMATION: Description of Artificial Sequence: Kin-2 3' Primer  
114 (spanning 2-2088)  
116 <400> SEQUENCE: 7  
117 tctgggtatc cttagcagc aaatg 25  
120 <210> SEQ ID NO: 8  
121 <211> LENGTH: 25  
122 <212> TYPE: DNA  
123 <213> ORGANISM: Artificial Sequence  
125 <220> FEATURE:  
126 <223> OTHER INFORMATION: Description of Artificial Sequence: MKLP1 5'  
127 Primer (spanning 73-2078)  
129 <400> SEQUENCE: 8  
130 agccatgtt tcagcgagag ctaag 25  
133 <210> SEQ ID NO: 9  
134 <211> LENGTH: 28

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138 <220> FEATURE:  
139 <223> OTHER INFORMATION: Description of Artificial Sequence: MKLP1 3'  
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143 agggtctctc tggcttctca gttttagg 28  
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151 <220> FEATURE:  
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161 <212> TYPE: DNA  
162 <213> ORGANISM: Artificial Sequence  
164 <220> FEATURE:  
165 <223> OTHER INFORMATION: Description of Artificial Sequence: KSP 3' Primer  
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168 <400> SEQUENCE: 11  
169 aaagggttcat ctgggctcgca agagg 25  
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177 <220> FEATURE:  
178 <223> OTHER INFORMATION: Description of Artificial Sequence: MCAK 5' Primer  
179 (spanning 22-2274)  
181 <400> SEQUENCE: 12  
182 gcgtttctct tccttgctga ctctc 25  
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187 <212> TYPE: DNA  
188 <213> ORGANISM: Artificial Sequence  
190 <220> FEATURE:  
191 <223> OTHER INFORMATION: Description of Artificial Sequence: MCAK 3' Primer  
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194 <400> SEQUENCE: 13  
195 agaggctggg tgtcaaacca aacag 25  
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200 <212> TYPE: DNA  
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203 <220> FEATURE:  
204 <223> OTHER INFORMATION: Description of Artificial Sequence: Kid 5' Primer

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205 (spanning 101-1596)  
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213 <212> TYPE: DNA  
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217 <223> OTHER INFORMATION: Description of Artificial Sequence: Kid 3' Primer  
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225 <211> LENGTH: 31  
226 <212> TYPE: DNA  
227 <213> ORGANISM: Artificial Sequence  
229 <220> FEATURE:  
230 <223> OTHER INFORMATION: Description of Artificial Sequence: Kid 5' Primer  
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234 ctggatccca gccgcggcg gctcgacgca g 31  
237 <210> SEQ ID NO: 17  
238 <211> LENGTH: 26  
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246 <400> SEQUENCE: 17  
247 ctcttagagag cagctgtcca tgcccc 26  
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252 <212> TYPE: DNA  
253 <213> ORGANISM: Artificial Sequence  
255 <220> FEATURE:  
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260 gggcttggtg caagagcttc 20  
263 <210> SEQ ID NO: 19  
264 <211> LENGTH: 23  
265 <212> TYPE: DNA  
266 <213> ORGANISM: Artificial Sequence  
268 <220> FEATURE:  
269 <223> OTHER INFORMATION: Description of Artificial Sequence: HSET 3' Primer  
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272 <400> SEQUENCE: 19  
273 cacccctcac ccgatacata gac 23  
276 <210> SEQ ID NO: 20

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277 <211> LENGTH: 20  
278 <212> TYPE: DNA  
279 <213> ORGANISM: Artificial Sequence  
281 <220> FEATURE:  
282 <223> OTHER INFORMATION: Description of Artificial Sequence: ATSV 5' Primer  
(spanning 21-2311)  
285 <400> SEQUENCE: 20  
286 gggctccac tactgcgagg 20  
289 <210> SEQ ID NO: 21  
290 <211> LENGTH: 20  
291 <212> TYPE: DNA  
292 <213> ORGANISM: Artificial Sequence  
294 <220> FEATURE:  
295 <223> OTHER INFORMATION: Description of Artificial Sequence: ATSV 3' Primer  
(spanning 21-2311)  
298 <400> SEQUENCE: 21  
299 ctccttcctcg ttccaccccg 20  
302 <210> SEQ ID NO: 22  
303 <211> LENGTH: 42  
304 <212> TYPE: DNA  
305 <213> ORGANISM: Artificial Sequence  
307 <220> FEATURE:  
308 <223> OTHER INFORMATION: Description of Artificial Sequence: Sense oligo  
309 for pET23dmyc  
311 <400> SEQUENCE: 22  
312 tcgagggtac cgagcagaag ctgatcagcg aggaggacct ga 42  
315 <210> SEQ ID NO: 23  
316 <211> LENGTH: 42  
317 <212> TYPE: DNA  
318 <213> ORGANISM: Artificial Sequence  
320 <220> FEATURE:  
321 <223> OTHER INFORMATION: Description of Artificial Sequence: Antisense  
322 oligo for pET23dmyc  
324 <400> SEQUENCE: 23  
325 tcgatcagg tccctcgct gatcagctc tgctcggtac cc 42  
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329 <211> LENGTH: 27  
330 <212> TYPE: DNA  
331 <213> ORGANISM: Artificial Sequence  
333 <220> FEATURE:  
334 <223> OTHER INFORMATION: Description of Artificial Sequence: K335 5' Primer  
336 <400> SEQUENCE: 24  
337 tagccatgga agaggtgaag ggaattc 27  
340 <210> SEQ ID NO: 25  
341 <211> LENGTH: 24  
342 <212> TYPE: DNA  
343 <213> ORGANISM: Artificial Sequence  
345 <220> FEATURE:  
346 <223> OTHER INFORMATION: Description of Artificial Sequence: K335 3' Primer

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/045,631A

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